```
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEEEEEEEEEEE      DDD      DDD          TTT
EEEEEEEEEEEE      DDD      DDD          TTT
EEEEEEEEEEEE      DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
```

FILEID**PRNUMRAN

```
PPPPPPP    RRRRRRR    NN      NN UU      UU MM       MM RRRRRRR     AAAAAA    NN       NN
PPPPPPPP   RRRRRRRR   NN      NN UU      UU MM       MM RRRRRRRR    AAAAAA    NN       NN
PP     PP  RR     RR  NN      NN UU      UU MMMM   MMMM RR     RR  AA    AA   NN       NN
PP     PP  RR     RR  NN      NN UU      UU MMMM   MMMM RR     RR  AA    AA   NN       NN
PP     PP  RR     RR  NNNN    NN UU      UU MM MM MM MM RR     RR  AA    AA   NNNN     NN
PPPPPPPP   RRRRRRR    NN NN   NN UU      UU MM  MMM  MM RRRRRRR    AA    AA   NN NN    NN
PPPPPPP    RRRRRRR    NN NN   NN UU      UU MM       MM RRRRRRR    AA    AA   NN NN    NN
PP         RR  RR     NN  NNNN   UU      UU MM       MM RR  RR     AAAAAAAAAA NN  NNNN NN
PP         RR  RR     NN  NNNN UU      UU MM       MM RR  RR     AAAAAAAAAA NN  NNNN NN
PP         RR    RR   NN      NN UU      UU MM       MM RR    RR   AA    AA   NN       NN
PP         RR    RR   NN      NN UUUUUUUUUU MM       MM RR    RR   AA    AA   NN       NN
PP         RR    RR   NN      NN UUUUUUUUUU MM       MM RR    RR   AA    AA   NN       NN
```

```
LL          IIIIII    SSSSSSSS
LL          IIIIII    SSSSSSSS
LL            II    SS
LL            II    SS
LL            II    SS
LL            II      SSSSSS
LL            II      SSSSSS
LL            II          SS
LL            II          SS
LL            II          SS
LL            II          SS
LLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLL   IIIIII    SSSSSSSS
```

```
     1    0001   0 %TITLE 'EDT$PRNUMRAN - create a range node'
     2    0002   0 MODULE EDT$PRNUMRAN (                          ! Create a range node
     3    0003   0                  IDENT = 'V04-000'             ! File: PRNUMRAN.BLI Edit: JBS1003
     4    0004   0                  ) =
     5    0005   1 BEGIN
     6    0006   1 !
     7    0007   1 !****************************************************************************
     8    0008   1 !*                                                                          *
     9    0009   1 !*    COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
    10    0010   1 !*    DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                *
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    19    0019   1 !*                                                                          *
    20    0020   1 !*    THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
    21    0021   1 !*    AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
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    23    0023   1 !*                                                                          *
    24    0024   1 !*    DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
    25    0025   1 !*    SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.               *
    26    0026   1 !*                                                                          *
    27    0027   1 !*                                                                          *
    28    0028   1 !****************************************************************************
    29    0029   1 !
    30    0030   1
    31    0031   1 !++
    32    0032   1 ! FACILITY:     EDT -- The DEC Standard Editor
    33    0033   1 !
    34    0034   1 ! ABSTRACT:
    35    0035   1 !
    36    0036   1 !     Create a range node with one numeric value.
    37    0037   1 !
    38    0038   1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
    39    0039   1 !
    40    0040   1 ! AUTHOR: Bob Kushlis, CREATION DATE: December 12, 1978
    41    0041   1 !
    42    0042   1 ! MODIFIED BY:
    43    0043   1 !
    44    0044   1 ! 1-001 - Original.  DJS 25-Feb-1981.  This module was created by
    45    0045   1 !         extracting routine NUM_RANGE from module PARSER.
    46    0046   1 ! 1-002 - Regularize headers.  JBS 12-Mar-1981
    47    0047   1 ! 1-003 - Improve the appearance of the listing.  JBS 17-Jun-1983
    48    0048   1 !--
    49    0049   1
```

```
51      0050  1 %SBTTL 'Declarations'
52      0051  1 !
53      0052  1 ! TABLE OF CONTENTS:
54      0053  1 !
55      0054  1
56      0055  1 REQUIRE 'EDTSRC:TRAROUNAM';
57      0494  1
58      0495  1 FORWARD ROUTINE
59      0496  1     EDT$$PA_CRERNGNOD;
60      0497  1
61      0498  1 !
62      0499  1 ! INCLUDE FILES:
63      0500  1 !
64      0501  1
65      0502  1 REQUIRE 'EDTSRC:EDTREQ';
66      0637  1
67      0638  1 REQUIRE 'EDTSRC:PARLITS';
68      0922  1
69      0923  1 !
70      0924  1 ! MACROS:
71      0925  1 !
72      0926  1 !     NONE
73      0927  1
74      0928  1 ! EQUATED SYMBOLS:
75      0929  1 !
76      0930  1 !     NONE
77      0931  1 !
78      0932  1 ! OWN STORAGE:
79      0933  1 !
80      0934  1 !     NONE
81      0935  1 !
82      0936  1 ! EXTERNAL REFERENCES:
83      0937  1 !
84      0938  1 !     In the routine
```

```
  86    0939  1  %SBTTL 'EDT$$PA_CRERNGNOD  - create a range node'
  87    0940  1
  88    0941  1  GLOBAL ROUTINE EDT$$PA_CRERNGNOD (                    ! Create a range node
  89    0942  1      RANTYP                                           ! Type of range
  90    0943  1      ) =
  91    0944  1
  92    0945  1  !++
  93    0946  1  ! FUNCTIONAL DESCRIPTION:
  94    0947  1  !
  95    0948  1  !       Create a range node of the type which has one numeric value.
  96    0949  1  !
  97    0950  1  ! FORMAL PARAMETERS:
  98    0951  1  !
  99    0952  1  !  RANTYP                 Type of range
 100    0953  1  !
 101    0954  1  ! IMPLICIT INPUTS:
 102    0955  1  !
 103    0956  1  !       EDT$$Z_PA_CURRNG
 104    0957  1  !
 105    0958  1  ! IMPLICIT OUTPUTS:
 106    0959  1  !
 107    0960  1  !       EDT$$Z_PA_CURRNG
 108    0961  1  !
 109    0962  1  ! ROUTINE VALUE:
 110    0963  1  !
 111    0964  1  !       0 = unable to create the range node
 112    0965  1  !       1 = range node created
 113    0966  1  !
 114    0967  1  ! SIDE EFFECTS:
 115    0968  1  !
 116    0969  1  !       NONE
 117    0970  1  !
 118    0971  1  !--
 119    0972  1
 120    0973  2     BEGIN
 121    0974  2
 122    0975  2     EXTERNAL ROUTINE
 123    0976  2         EDT$$PA_NEW_NOD;                              ! Create a semantic node
 124    0977  2
 125    0978  2     EXTERNAL
 126    0979  2         EDT$$Z_PA_CURRNG : REF NODE_BLOCK;            ! the current range node
 127    0980  2
 128    0981  2     LOCAL
 129    0982  2         NEWRANGE : REF NODE_BLOCK;
 130    0983  2
 131    0984  2     IF ((NEWRANGE = EDT$$PA_NEW_NOD ()) EQL 0) THEN RETURN (0);
 132    0985  2
 133    0986  2     EDT$$CPY_MEM (NODE_SIZE, .EDT$$Z_PA_CURRNG, .NEWRANGE);
 134    0987  2     EDT$$Z_PA_CURRNG [SUB_RANGE] = .NEWRANGE;
 135    0988  2     EDT$$Z_PA_CURRNG [RAN_TYPE] = .RANTYP;
 136    0989  2     EDT$$Z_PA_CURRNG [RAN_VAL] = 1;
 137    0990  2     RETURN (1);
 138    0991  1     END;                                             ! of routine EDT$$PA_CRERNGNOD


                                                .TITLE  EDT$PRNUMRAN EDT$PRNUMRAN - create a range node
                                                .IDENT  \V04-000\
```

```
                                                                          .EXTRN    EDT$$PA_NEW_NOD
                                                                          .EXTRN    EDT$$Z_PA_CORRNG

                                                                          .PSECT    _EDT$CODE,NOWRT,  SHR,  PIC,2

                                                       00FC 00000         .ENTRY    EDT$$PA_CRERNGNOD, Save R2,R3,R4,R5,R6,R7    ; 0941
              00000000G  00                         00 FB 00002          CALLS     #0, EDT$$PA_NEW_NOD                           ; 0984
                         57                         50 D0 00009          MOVL      R0, NEWRANGE
                                                    1C 13 0000C          BEQL      1$
                              56 00000000G          00 D0 0000E          MOVL      EDT$$Z_PA_CURRNG, R6                          ; 0986
        67                    66                     20 28 00015          MOVC3     #32, (R6), (NEWRANGE)
                    08 A6                            57 D0 00019          MOVL      NEWRANGE, 8(R6)                              ; 0987
                    01 A6            04 AC           90 0001D             MOVB      RANTYP, 1(R6)                                ; 0988
                    04 A6                            01 D0 00022          MOVL      #1, 4(R6)                                    ; 0989
                    50                               01 D0 00026          MOVL      #1, R0                                       ; 0990
                                                    04 00029             RET
                                                 50 D4 0002A 1$:         CLRL      R0                                           ; 0991
                                                    04 0002C             RET
```

; Routine Size: 45 bytes,   Routine Base: _EDT$CODE + 0000

```
:  139          0992  1
:  140          0993  1 !<BLF/PAGE>
```

```
; 142         0994  1 END                                    ! of module EDT$PRNUMRAN
; 143         0995  1
; 144         0996  0 ELUDOM
```

;
;
;
;   PSECT SUMMARY
;
;   Name   Bytes   Attributes
;
; _EDT$CODE   45   NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

;
;
;   Library Statistics
;
;   -------- Symbols --------   Pages   Processing
;   File   Total   Loaded   Percent   Mapped   Time
;
; _255DUA28:[EDT.SRC]EDT.L32;1   377   49   12   40   00:00.2
; _255DUA28:[EDT.SRC]PSECTS.L32;1   2   1   50   7   00:00.1

;   COMMAND QUALIFIERS
;
;   BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:PRNUMRAN/OBJ=OBJ$:PRNUMRAN MSRC$:PRNUMRAN.BLI/UPDATE=(ENH$:PRNU
;   MRAN)

; Size: 45 code + 0 data bytes
; Run Time: 00:13.0
; Elapsed Time: 00:16.3
; Lines/CPU Min: 4611
; Lexemes/CPU-Min: 14541
; Memory Used: 96 pages
; Compilation Complete

PRNUMRAN
LIS

REAJOUTEX
LIS

PRPARCOMN
LIS

SCRCHKREV
LIS

SCRDELETE
LIS

SCRESCR
LIS

SCRCURS
LIS

PSECTS
LIS

PRMACCAL
LIS

PRPUSH
LIS

SCRFIND
LIS

PRPARCOM
LIS

PRPARDRV
LIS

RANRPOS
LIS

SCRCOMCUR
LIS

RANNEXT
LIS

SCRBLOB
LIS

SCRELINE
LIS

SCRFCURS
LIS

PRSEMRTN
LIS

SAUDIT
LIS